

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) Lathe tool of the single piece type for boring with a cross-section less than 10 mm, comprising:

a substantially cylindrical tool body (2) provided to be engaged and held in a tool support (10) traversed by at least one lubricant supply channel, ~~this~~ the tool body (2) ~~being~~ prolonged, at one end (3), by a neck (4) terminating in a head (5) comprising a cutting edge (6) and constituting the active portion of the tool (1), ~~characterized by the fact that~~ wherein,

the neck (4) is eccentric relative to the axis of the tool body (2), ~~whilst~~

the head (5), at the end of this neck (4), ~~being itself~~ is eccentric relative to ~~this~~ the axis, and

~~said the~~ the head (5), ~~with its~~ and the cutting edge (6), ~~being~~ are inscribed in and substantially tangent to a periphery (8) of a cylindrical space (7) corresponding to the prolongation of said tool body (2) such that the cutting edge is located in an immediate prolongation of a flow of lubricant at an outlet at the one end of the tool support.

2. (currently amended) Lathe tool according to claim 1,
~~characterized by the fact that~~ wherein the head (5) is located
back at least a hundredth of a millimeter from the periphery (8)
of the cylindrical space (7).

3. (currently amended) Machining assembly, comprising:
a lathe tool (1) of the single piece type for boring
with a cross-section less than 10 mm; ~~and~~

a tool support (10) comprising, ~~at one forward end~~
~~(11),~~ a recess (12) at one forward end (11) suitable for the
reception of the body (2) of the lathe tool (1), ~~as well as~~ and
gripping means (13) for holding ~~this latter~~ the lathe tool (1) in
said recess (12), ~~this~~ the tool support (10) being ~~also~~
by at least one lubricant supply channel (14), ~~characterized by~~
~~the fact that~~

wherein said channel (14) ~~opens~~ has an opening at the
one forward end (11) of the tool support (10) at ~~the~~ a periphery
of the recess (12) for reception of the tool body (2),

wherein ~~which~~ the tool body (2) is prolonged by a neck
(4) eccentric to ~~the~~ an axis of ~~this~~ the tool body and
terminating in a head (5) comprising a cutting edge (6)
constituting the active portion of the tool (1), ~~this~~

wherein the head (5) ~~being itself~~ is eccentric to ~~this~~
the axis, and

wherein said the head (5), ~~with its~~ and the cutting edge (6), ~~being~~ are inscribed in and substantially tangent to the periphery (8) of a cylindrical space (7) corresponding to the prolongation of said tool body (2) such that the cutting edge is located in an immediate prolongation of a flow of lubricant through the opening of said channel (14) at the one forward end of the tool support.

4. (currently amended) Machining assembly according to claim 3, ~~characterized by the fact that~~ wherein the lubricant supply channel (14) comprises a principal section (15) communicating with lubricant supply means at the rear end (16) of the tool support (10) and connected to at least one spray channel (17, 18) extending tangentially to the tool body (2) in the recess (12).

5. (currently amended) Machining assembly according to claim 4, ~~characterized by the fact that~~ wherein the spray channel or channels (17, 18) communicate with the recess (12).

6. (currently amended) Machining assembly according to claim 4, ~~characterized by the fact that~~ wherein the spray channel or channels (17, 18) are constituted by axial piercings (19).

7. (currently amended) Machining assembly according to claim 5, ~~characterized by the fact that~~ wherein the principal section (15) of the lubricant supply channel (14) communicates with the spray channels (17, 18) through a circular throat (21), at the rear of the recess (12) for reception of the lathe tool (1).

8. (currently amended) Machining assembly according to claim 3, ~~characterized by the fact that~~ wherein the spray channel or channels (17, 18) are implanted in the periphery of the recess (12), substantially before the cutting edge (6) of the head (5) as a function of the working direction of the lathe tool (1).

9. (currently amended) Machining assembly according to claim 3, ~~characterized by the fact that~~ wherein in the bottom of the recess (12) is provided a reference seat (22) for the lathe tool (1).

10. (currently amended) Machining assembly according to claim 3, ~~characterized by the fact that~~ further comprising:

~~it comprises~~ indexing means for the angular position of the body (2) of the tool (1) in the tool support (10).

11. (currently amended) Machining assembly according to claim 10, ~~characterized by the fact that~~ wherein the indexing

means are defined, on the one hand, by the gripping means (13) and, on the other hand, by at least one flat on the periphery of the tool body (2) with which said gripping means (13) are adapted to coact.

12. (new) Lathe tool according to claim 1, wherein the outlet at the one end of the tool support comprises one or more spray channels (17, 18) configured to spray the lubricant substantially in front of the cutting edge (6) of the head (5).

13. (new) Machining assembly according to claim 3, wherein the opening of said channel (14) comprises one or more spray channels (17, 18), in communication with the lubricant supply channel (14) and implanted in a periphery of the recess (12) such that the lubricant is sprayed substantially in front of the cutting edge (6) of the head (5).